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## Patent Search

Patents 1 - 10 of 110 on **simulated drilling an earth formation**. (0.72 seconds)

### Method for simulating **drilling** of roller cone bits and its application to roller cone bit design and performance

US Pat. 6516293 - Filed Mar 13, 2000 - Smith International, Inc.

Using the total bit revolutions to be **simulated** as the 30 termination ... of the cutting elements with the **earth formation** during **simulated drilling**. ...

### Method for simulating **drilling** of roller cone bits and its application to roller cone bit design and performance

US Pat. 6873947 - Filed Aug 9, 2000 - Smith International, Inc.

7 shows a three dimensional visual display of **simulated drilling** calculated ... of the cutting elements with the **earth formation** during **simulated drilling**. ...

### Design of wear compensated roller cone drill bits

US Pat. 6619411 - Filed Jan 31, 2001 - Smith International, Inc.

The drill bit is then **simulated drilling** at least one selected **earth formation**.  
The wear induced change in the cutting element geometry is determined and ...

### **DRILLING OF EARTH FORMATIONS BY EXTRUSION**

US Pat. 3078934 - Filed May 13, 1959

... the confining pressure **simulated** the confining pressure on the **earth formation**.  
... A drill bit for **drilling** a well which comprises a body member, ...

### Cutting structure for roller cone drill bits

US Pat. 6612384 - Filed Jun 8, 2000 - Smith International, Inc.

13, 2000, entitled "Method for Simulating the **Drilling** of Roller Cone Drill ...  
**simulated drilling** using a selected drill bit on an **earth formation** sample. ...

### Method for simulating subsea mudlift **drilling** and well control operations

US Pat. 7027968 - Filed Jan 18, 2002 - ConocoPhillips Company

than the sum of the hydrostatic pressure of the **drilling** mud in the ... in the wellbore proximate a selected **earth formation**, and the kick is **simulated** as a ...

### Methods for evaluating and improving **drilling** operations

US Pat. 7020597 - Filed May 21, 2004 - Smith International, Inc.

Next, **drilling** with each of the potential solutions is **simulated** (step 530). ...  
The interaction between the selected drill bit and the **earth formation** is ...

### BIT WORK

US Pat. 7035778 - Filed Apr 26, 2002 - Halliburton Energy Services

33 ciency determined as a function of the **simulated drilling**; ... instruction for simulating a **drilling** of a hole in a **formation** as a function of the ...

### Simulating the dynamic response of a **drilling** tool assembly and its application to **drilling** tool assembly design optimization and **drilling** performance optimization

US Pat. 6785641 - Filed Oct 11, 2000 - Smith International, Inc.

As noted above, output information from a dynamic simulation of a **drilling** tool assembly **drilling an earth formation** may include, for example, the **drilling** ...

### Method and system for indicating anisotropic resistivity in an **earth formation**

US Pat. 7027967 - Filed Jun 2, 2000 - Schlumberger Technology Corporation  
... a characteristic of a subsurface **earth formation** surrounding a borehole, ...  
disposed within the borehole against the **simulated** log data to determine a ...

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